

## Schedule-H

(See Clauses 10.1(iv) and 19.3)

### Contract Price Weightages

The Contract Price for this Agreement is Rs. \*\*\*\*

Proportions of the Contract Price for different stages of Construction of the Project Highway shall be as specified below:

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
<b>Road works including culverts, widening and repair of culverts.</b>	<b>39.81%</b>	<b>A-Widening and Strengthening of existing road</b>	
		(1) Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock, removal of unserviceable soil etc	2.28%
		(2) Sub Base courses	2.39%
		(3) Non Bituminous Base Course	0.00%
		(4) Bituminous Base Course	2.69%
		(5) Wearing coat	1.68%
		(6) Widening and repair of culverts	0.00%
		<b>B 1- Reconstruction / New two lane alignment / bypass (Flexible pavement)</b>	
		(1) Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock, removal of unserviceable soil etc	17.75%
		(2) Sub Base Course	18.68%
		(3) Non Bituminous Base Course	<b>12.59%</b>
		(4) Bituminous Base Course	<b>8.39%</b>
		(5) Wearing coat	13.11%
		<b>B 2- Reconstruction / New two lane alignment / bypass (Rigid pavement)</b>	
		(1) Earthwork up to top of the sub-grade	0.00%

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
		(2) Sub Base Course	0.00%
		(3) Dry Lean Concrete (DLC) Course	0.00%
		(4) Pavement Quality Control (PQC) course	0.00%
		<b>C 1- Reconstruction / New Service road/ Slip Road (Flexible pavement)</b>	
		(1) Earthwork up to top of the sub-grade	0.00%
		(2) Sub Base Course	0.00%
		(3) Non Bituminous Base Course	0.00%
		(4) Bituminous Base Course	0.00%
		(5) Wearing coat	0.00%
		<b>C 2- Reconstruction / New Service road (Rigid pavement)</b>	
		(1) Earthwork up to top of the sub-grade	0.00%
		(2) Sub Base Course	0.00%
		(3) Dry Lean Concrete (DLC) Course	0.00%
		(4) Pavement Quality Control (PQC) course	0.00%
		<b>D - Reconstruction and New culverts on existing road, Realignments, bypasses:</b>	
		Culverts (Length <6m)	
		a - Pipe Culverts	0.00%
		b - Box Culverts	20.44%
<b>Minor Bridges / underpasses / over passes</b>	<b>15.51%</b>	<b>A 1- Widening and repairs of Minor Bridges (length &gt;6m and &lt;60m)</b>	
		Minor Bridges	0.00%
		<b>A 2- New Minor Bridges (length &gt;6m and &lt;60m)</b>	

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
		(1) Foundation + Sub-structure: on completion of foundation work including foundation for wing and return wall, abutments, piers upto the abutment/pier cap.	30.00%
		(2) Superstructure : on completion of super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road sign & markings, testson completion etc. complete in all respect.	30.00%
		(3) Approaches: on completion of approaches including Retaining walls, stone pitching, protection works complete in all respect, test on completion in all respects and fitfor use.	30.00%
		(4) Guide bunds and river training works: on completion of guide bunds and repair training works complete in all respects.	10.00%
		<b>B 1 - Widening and repair of underpasses / overpasses</b>	
		Underpasses / Overpasses	0.00%
		<b>B 2 - New Underpasses / Overpasses</b>	
		(1) Foundation + Sub-structure: on completion of foundation work including foundation for wing and return wall, abutments, piers upto the abutment/pier cap.	0.00%

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
		(2) Superstructure : on completion of super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road sign & markings, testson completion etc. complete in all respect.	0.00%
		Wearing coat (a) in case of overpass- wearing coat including expansion joints complete in all respects as specified and (b) in case of underpass - rigid pavement including drainage facility complete in all respects as specified.	0.00%
		(3) Approaches : On completion of approaches including Retaining walls/ Reinforced earth walls, stonepitching, protection works completein all respect and fit for use.	0.00%
<b>Major bridge (length &gt; 60m) works and RoB / RUB / Elevated sections / Flyovers including viaducts, if any</b>	<b>0.00%</b>	<b>A 1 - Widennng and repair of major bridges</b>	
		(1) Foundation	0.00%
		(2) Sub-structure	0.00%
		(3) Super-structure (including bearings)	0.00%
		(4) Wearing Coat including expansion joints	0.00%
		(5) Miscellaneous Items like hand rails, crash barrier, road markingsetc.	0.00%
		(6) Wing walls/return walls	0.00%
		(7) Guide bunds, River Trainingworks etc.	0.00%
(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%		

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
		<b>A 2 - New Major bridges</b>	
		(1) Foundation	0.00%
		(2) Sub-structure	0.00%
		(3) Super-structure (including bearings)	0.00%
		(4) Wearing Coat including expansion joints	0.00%
		(5) Miscellaneous Items like hand rails, crash barrier, road markingsetc.	0.00%
		(6) Wing walls/return walls upto top	0.00%
		(7) Guide bunds, River Trainingworks etc.	0.00%
		(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%
		<b>B 1 - Widening and repair of</b>	
		<b>a) RoB</b>	
		<b>b) RuB</b>	
		1) Foundation	0.00%
		2) Sub Structure	0.00%
		3) Super Structure (Including bearings)	0.00%
		4) Wearing coat (a) in case of <b>RoB</b> - wearing coat including expansion joints complete in all respect as specified and (b) in case of <b>RuB</b> - rigid pavement under RuB including drainage facility complete in all respect as specified	0.00%
		5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%
		6) wing walls / return walls	0.00%
		7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%
		<b>B 2 - New RoB / RuB</b>	

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
		<b>a) RoB</b>	
		<b>b) RuB</b>	
		1) Foundation	0.00%
		2) Sub Structure	0.00%
		3) Super Structure (Including bearings)	0.00%
		4) Wearing coat (a) in case of <b>RoB</b> - wearing coat including expansion joints complete in all respect as specified and (b) in case of <b>RuB</b> - rigid pavement under RuB including drainage facility complete in all respect as specified	0.00%
		5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%
		6) wing walls / return walls	0.00%
		7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%
		<b>C 1 - Widening and repair of Elevated sections / Fly overs / Grade Separators</b>	
		1) Foundation	0.00%
		2) Sub Structure	0.00%
		3) Super Structure (Including bearings)	0.00%
		4) Wearing coat including expansion joints	0.00%
		5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%
		6) wing walls / return walls	0.00%
		7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%
		<b>C 2 - New Elevated sections / Fly overs / Grade Separators</b>	
		1) Foundation	0.00%

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
		2) Sub Structure	0.00%
		3) Super Structure (Including bearings)	0.00%
		4) Wearing coat including expansion joints	0.00%
		5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%
		6) wing walls / return walls	0.00%
		7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%
		<b>Other Works</b>	<b>42.65%</b>
<b>(ii) Road side drains</b>			
Lined Drain (RCC)	0.00%		
Lined Drain (PCC)	6.06%		
Unlined Drain	0.09%		
<b>(iii) Road Signs, markings, km stones, safety devices, Road furniture etc</b>	0.72%		
<b>(iv) Project facilities</b>			
(a) Bus Bays	0.54%		
(b) Truck lay byes	0.00%		
© Rain water harvesting	0.18%		
<b>(d) Others</b>			
a) Clearing n Grubbing & Dismantling works	0.18%		
b) improvement of Junctions	3.09%		
c) Turfing and hydroseeding	4.78%		
d) Traffic Aid Post	0.07%		
e) Lighting works	0.15%		

ITEM	WEIGHTAGE IN PERCENTAGE TO THE CONTRACT PRICE	STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE
1	2	3	4
Electrical utilites and public Health Utilities (water pipe lines and sewage lines)		<b>(vi)</b> Protection works other than approaches to the bridges, elevated sections / flyovers / grade separators and RoBs/RuBs	
		(a) Crash Barrier	3.55%
		(b) Retaining wall	12.44%
		'(c) Breast Wall	44.63%
		(d) Pitching work for diversion of nala	0.00%
		'(e) Slope Protection works	23.52%
		<b>(vii) Safety and traffic management during construction</b>	
	2.03%	<b>(i) EHT Lines</b>	0.00%
		<b>(ii) EHT Crossings</b>	0.00%
		<b>(iii) HT/LT line</b>	38.72%
		<b>(iv) HT/LT crossings</b>	17.60%
		<b>(v) Transformer</b>	2.35%
		<b>(vi) Water pipeline</b>	39.70%
<b>(vii) Water pipeline crossings</b>		0.81%	
<b>(viii) Water Pipe line (WRD)</b>	0.82%		

## Procedure of estimating the value of work done

### Road works

Procedure for estimating the value of road work done shall be as follows:

**Table1.3.1**

STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE	PAYMENT PROCEDURE
<b>A-Widening and Strengthening of existing road</b>		
(1) Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock, removal of unserviceable soil etc	2.28%	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in a length of not less than 10 (ten) percent of the total length.
(2) Sub Base courses	2.39%	
(3) Non Bituminous Base Course	0.00%	
(4) Bituminous Base Course	2.69%	
(5) Wearing coat	1.68%	
(6) Widening and repair of culverts	0.00%	Cost of completed culverts shall be determined on pro rata basis with respect to the total no. of culverts. The payment shall be made on the completion of atleast five culverts.
<b>B 1- Reconstruction / New two lane alignment / bypass (Flexible pavement)</b>		
(1) Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock, removal of unserviceable soil etc	17.75%	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km. length, whichever is less.
(2) Sub Base Course	18.68%	
(3) Non Bituminous Base Course	<b>12.59%</b>	
(4) Bituminous Base Course	<b>8.39%</b>	
(5) Wearing coat	13.11%	
<b>B 2- Reconstruction / New two lane alignment / bypass (Rigid pavement)</b>		
(1) Earthwork up to top of the sub-grade	0.00%	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km. length, whichever is less.
(2) Earthwork in shoulders	0.00%	
(3) Sub Base Course	0.00%	
(4) Dry Lean Concrete (DLC) Course	0.00%	
(5) Pavement Quality Control (PQC) course	0.00%	
<b>C 1- Reconstruction / New Service road/ Slip Road (Flexible pavement)</b>		
(1) Earthwork up to top of the sub-grade including shoulder	0.00%	Unit of measurement is linear length. Payment of each stage shall be made on

STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE	PAYMENT PROCEDURE
(2) Sub Base Course	0.00%	pro rata basis on completion of a stage in full length or 5 (five) km. length, whichever is less.
(3) Non Bituminous Base Course	0.00%	
(4) Bituminous Base Course	0.00%	
(5) Wearing coat	0.00%	
<b>C 2- Reconstruction / New Service road (Rigid pavement)</b>		
(1) Earthwork up to top of the sub-grade	0.00%	Unit of measurement is linear length. Payment of each stage shall be made on pro rata basis on completion of a stage in full length or 5 (five) km. length, whichever is less.
(2) Sub Base Course	0.00%	
(3) Dry Lean Concrete (DLC) Course	0.00%	
(4) Pavement Quality Control (PQC) course	0.00%	
<b>D - Reconstruction and New culverts on existing road, Realignments, bypasses:</b>		
Culverts (Length <6m)		Cost of each culverts shall be determined on pro rata basis with respect to the total no. of culverts. The payment shall be made on the completion of atleast five culverts.
a - Pipe Culverts	0.00%	
b - Box Culverts	20.44%	

@ For example, if the total length of bituminous work to be done is 100 km, the cost per km of bituminous work shall be determined as follows:

$$\text{Cost per km} = P \times \text{weightage for road work} \times \text{weightage for bituminous work} \times (1/L)$$

Where,

$$P = \text{Contract Price} \ \& \ L = \text{Total length in km}$$

Similarly, the rates per km for other stages shall be worked out accordingly.

## Minor Bridges and Underpasses/Overpasses.

Procedure for estimating the value of Minor bridge and Underpasses/Overpasses shall be as stated in table 1.3.2:

**Table 1.3.2**

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
<b>A 1- Widening and repairs of Minor Bridges (length &gt;6m and&lt;60m)</b>		
Minor Bridges	0.00%	Cost of each minor bridge shall be determined on pro rata basis with respect to the total linear length of the minor bridges. Payment shall be made on completion of widening and repair works of a minor bridge.
<b>A 2- New Minor Bridges (length &gt;6m and&lt;60m)</b>		
<b>(1) Foundation + Sub-structure:</b> on completion of foundation work including foundation for wing and return wall, abutments, piers upto the abutment/pier cap.	30.00%	<b>(1) Foundation + Sub Structure:</b> Cost of each minor bridge shall be determined on pro rata basis with respect to the total linear length of the minor bridges. Payment against Foundation + Sub Structure shall be made on pro rata basis on completion of a stage ie. not less than 25% of the scope of Foundation + Sub Structure of each bridge subject to completion of atleast two foundations along with sub structure upto abutment/pier cap level of each bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
<b>(2) Superstructure :</b> on completion of super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on	30.00%	<b>(2) Super structure:</b> Payment shall be made on pro rata basis on completion of a stage ie. completion of super structure of atleast one span in all respect as specified in the column of " Stage of Payment" in this Sub-clause.

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
completion etc. complete in all respect.		
<b>(3) Approaches:</b> on completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.	30.00%	<b>(3) Approaches:</b> Payment shall be made on pro rata basis on completion of a stage ie. completion of approaches in all respect as specified in the column of " Stage of Payment" in this Sub-clause.
<b>(4) Guide bunds and river training works:</b> on completion of guide bunds and repair training works complete in all respects.	10.00%	<b>(4) Guide bunds and river training works:</b> Payment shall be made on pro rata basis on completion of a stage ie. completion of guide bunds and river training works in all respect as specified.
<b>B 1 - Widening and repair of underpasses / overpasses</b>		
Underpasses / Overpasses	0.00%	Cost of each underpass / overpass shall be determined on pro rata basis with respect to the total linear length of the underpass / overpass. Payment shall be made on completion of widening and repair works of a underpass / overpass.
<b>B 2 - New Underpasses / Overpasses</b>		

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
<p><b>(1) Foundation + Sub-structure:</b> on completion of foundation work including foundation for wing and return wall, abutments, piers upto the abutment/pier cap.</p>	<p>0.00%</p>	<p><b>(1) Foundation + Sub Structure:</b> Cost of each underpass / overpass shall be determined on pro rata basis with respect to the total linear length of the underpass / overpass. Payment against Foundation + Sub Structure shall be made on pro rata basis on completion of a stage ie. not less than 25% of the scope of Foundation + Sub Structure of each underpass / overpass subject to completion of atleast two foundations along with sub structure upto abutment/pier cap level of each underpass / overpass. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.</p>
<p><b>(2) Superstructure :</b>on completion of super-structure in all respects including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs &amp; markings, tests on completion etc. complete in all respect.</p>	<p>0.00%</p>	<p><b>(2) Super structure:</b> Payment shall be made on pro rata basis on completion of a stage ie. completion of super structure of atleast one span in all respect as specified in the column of " Stage of Payment" in this Sub-clause.</p>
<p><b>(3) Approaches:</b> on completion of approaches including Retaining walls, stone pitching, protection works complete in all respect and fit for use.</p>	<p>0.00%</p>	<p><b>(3) Approaches:</b> Payment shall be made on pro rata basis on completion of a stage ie. completion of approaches in all respect as specified in the column of " Stage of Payment" in this Sub-clause.</p>

## Major Bridge works, ROB/RUB and Structures.

Procedure for estimating the value of Major Bridge works, ROB/RUB and Structures shall be as stated in table 1.3.3:

**Table 1.3.3**

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
<b>A 1 - Widening and repair of major bridges</b>		
(1) Foundation	0.00%	<b>(i) Foundation:</b> Cost of each Major Bridge shall be determined on prorata basis with respect to the total linear length (m) of the Major Bridge. Payment against foundation shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation of the major Bridge subject to completion of atleast two foundations of the major bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also were specified.
(2) Sub-structure	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub-structure of the major bridge subject to completion of atleast two sub structures of abutment / pier cap level of the major bridge..
(3) Super-structure (including bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearings of atleast one span in all respects as specified.
(4) Wearing Coat including expansion joints	0.00%	<b>(iv) Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like hand rails, crash barrier, road markings etc.	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc. complete in all respects as specified.
(6) Wing walls/return walls upto top	0.00%	<b>(vi) Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
(7) Guide bunds, River Training works etc.	0.00%	<b>(vii) Guide Bonds, River Training works:</b> Payments shall be made on completion of all guide bunds/river training works etc. complete in all respects as specified.
(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	<b>(viii) Approaches:</b> Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>A 2 - New Major bridges</b>		
(1) Foundation	0.00%	<b>(i) Foundation:</b> Cost of each Major Bridge shall be determined on prorata basis with respect to the total linear length (m) of the Major Bridge. Payment against foundation shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation of the major Bridge subject to completion of atleast two foundations of the major bridge. In case where load testing is required for foundation, the trigger of first payment shall include load testing also were specified.
(2) Sub-structure	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub-structure of the major bridge subject to completion of atleast two sub structures of abutment / pier cap level of the major bridge..
(3) Super-structure (including bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearings of atleast one span in all respects as specified.
(4) Wearing Coat including expansion joints	0.00%	<b>(iv) Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
(5) Miscellaneous Items like hand rails, crash barrier, road markings etc.	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc. complete in all respects as specified.
(6) Wing walls/return walls upto top	0.00%	<b>(vi) Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
(7) Guide bunds, River Training works etc.	0.00%	<b>(vii) Guide Bonds, River Training works:</b> Payments shall be made on completion of all guide bunds/river training works etc. complete in all respects as specified.
(8) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	<b>(viii) Approaches:</b> Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>B 1 - Widening and repair of</b>		
<b>a) RoB</b>		
<b>b) RuB</b>		
1) Foundation	0.00%	<b>(i) Foundation:</b> Cost of each RoB / RuB shall be determined on pro rata basis with respect to the total linear length (m) of the RoB / RuB. Payment against foundation shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation of the RoB / RuB subject to completion of atleast two foundations of the RuB/ROB. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
2) Sub Structure	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub-structure of the RoB / RuB subject to completion of atleast two sub structure of abutments / pier cap level of the RuB/ROB.
3) Super Structure (Including bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearings of atleast one span in all respects as specified.
4) Wearing coat (a) in case of <b>RoB</b> - wearing coat including expansion joints complete in all respect as specified and (b) in case of <b>RuB</b> - rigid pavement under RuB including drainage facility complete in all respect as specified	0.00%	<b>(iv) Wearing Coat:</b> Payment shall be made on completion of (a) in case of ROB- wearing coat including expansion joints complete in all respects as specified and (b) in case of RUB-rigid pavement under RUB including drainage facility complete in all respects as specified.
5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc. complete in all respects as specified.

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
6) wing walls / return walls	0.00%	(vi) <b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	(vii) <b>Approaches:</b> Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>B 2 - New RoB / RuB</b>		
1) Foundation	0.00%	<b>(i) Foundation:</b> Cost of each RoB / RuB shall be determined on pro rata basis with respect to the total linear length (m) of the RoB / RuB. Payment against foundation shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation of the RoB / RuB subject to completion of atleast two foundations of the RuB/ROB. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
2) Sub Structure	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub-structure of the RoB / RuB subject to completion of atleast two sub structure of abutments / pier cap level of the RuB/ROB.
3) Super Structure (Including bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearings of atleast one span in all respects as specified.
4) Wearing coat (a) in case of <b>RoB</b> - wearing coat including expansion joints complete in all respect as specified and (b) in case of <b>RuB</b> - rigid pavement under RuB including drainage facility complete in all respect as specified	0.00%	<b>(iv) Wearing Coat:</b> Payment shall be made on completion of (a) in case of ROB- wearing coat including expansion joints complete in all respects as specified and (b) in case of RUB-rigid pavement under RUB including drainage facility complete in all respects as specified.
5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc. complete in all respects as specified.

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
6) wing walls / return walls	0.00%	(vi) <b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls/return walls complete in all respects as specified.
7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	(vii) <b>Approaches:</b> Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>C 1 - Widening and repair of Elevated sections / Fly overs / Grade Separators</b>		
1) Foundation	0.00%	<b>(i) Foundation:</b> Cost of each RoB / RuB shall be determined on pro rata basis with respect to the total linear length (m) of the structure. Payment against foundation shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation of the structure subject to completion of atleast two foundations of the structure. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
2) Sub Structure	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub-structure of the structure subject to completion of atleast two sub structure of abutments / pier cap level of the structure.
3) Super Structure (Including bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearings of atleast one span in all respects as specified.
4) Wearing coat including expansion joints	0.00%	(iv) <b>Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%	(v) <b>Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc. complete in all respects as specified.
6) wing walls / return walls	0.00%	(vi) <b>Wing walls/return walls:</b> Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.

STAGE of PAYMENT	PERCENTAGE WEIGHTAGE	Payment Procedure
7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	(vii) <b>Approaches:</b> Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.
<b>C 2 - New Elevated sections / Fly overs / Grade Separators</b>		
1) Foundation	0.00%	<b>(i) Foundation:</b> Cost of each RoB / RuB shall be determined on pro rata basis with respect to the total linear length (m) of the structure. Payment against foundation shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of foundation of the structure subject to completion of atleast two foundations of the structure. In case where load testing is required for foundation, the trigger of first payment shall include load testing also where specified.
2) Sub Structure	0.00%	<b>(ii) Sub-Structure:</b> Payment against Sub-structure shall be made on pro-rata basis on completion of a stage i.e. not less than 25% of the scope of sub-structure of the structure subject to completion of atleast two sub structure of abutments / pier cap level of the structure.
3) Super Structure (Including bearings)	0.00%	<b>(iii) Super-structure:</b> Payment shall be made on pro rata basis on completion of a stage i.e. completion of super structure including bearings of atleast one span in all respects as specified.
4) Wearing coat including expansion joints	0.00%	<b>(iv) Wearing Coat:</b> Payment shall be made on completion of wearing coat including expansion joints complete in all respects as specified.
5) miscellaneous items like hand rails, crash barrier, road markings etc	0.00%	<b>(v) Miscellaneous:</b> Payments shall be made on completion of all miscellaneous works like hand rails, crash barriers, road markings etc. complete in all respects as specified.
6) wing walls / return walls	0.00%	<b>(vi) Wing walls/return walls:</b> Payments shall be made on completion of all wing walls / return walls complete in all respects as specified.
7) Approaches (including Retaining walls, stone pitching and protection works)	0.00%	<b>(vii) Approaches:</b> Payment shall be made on completion of both approaches including stone pitching, protection works, etc. complete in all respects as specified.

**Note:(1) In case of innovate Major Bridge projects like cable suspension/cable stayed/**

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**Extra Dozed and exceptionally long span bridges, the schedule may be modified as per site requirements before bidding with due approval of Competent Authority.**

- (2) The Schedule for exclusive tunnel projects may be prepared as per site requirements before bidding with due approval of Competent Authority.**

**Other works.**

Procedure for estimating the value of other works done shall be as stated in table 1.3.4.

**Table1.3.4**

STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE	PAYMENT PROCEDURE
<b>Other Works</b>		
<b>(i) Toll Plaza</b>	0.00%	Unit of measurement is each completed Toll Plaza. Payment of each Toll Plaza shall be made on pro rata basis with respect to the total of all Toll Plaza.
<b>(ii) Road side drains</b>		
Lined Drain (RCC)	0.00%	Unit of measurement is linear length in km. Payment shall be made on pro rata basis on completion of a stage in a length of not less than 10% (ten percent) of the total length.
Lined Drain (PCC)	6.06%	
Unlined Drain	0.09%	
<b>(iii) Road Signs, markings, km stones, safety devices, Roadfurnitures etc</b>	0.72%	
<b>(iv) Project facilities</b>		
(a) Bus Bays	0.54%	Payment shall be made on pro rata basis for completed facilities.
(b) Truck lay byes	0.00%	
© Rain water harvesting	0.18%	
(d) Others		
a) Clearing n Grubbing & Dismantling works	0.18%	
b) improvement of Junctions	3.09%	
c) Turfing and hydroseeding	4.78%	
d) Traffic Aid Post	0.07%	
e) Lighting Works	0.15%	
<b>(vi) Protection works other than approaches to the bridges, elevated sections / flyovers / grade separators and RoBs/RuBs</b>		
(a) Crash Barrier	3.55%	
(b) Retaining wall	12.44%	
(c) Breast Wall	44.63%	

STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE	PAYMENT PROCEDURE
(d) Pitching work for diversion of nala	0.00%	Payment shall be made on pro rata basis for completed facilities.
(e) Slope Protection works	23.52%	Payment shall be made on pro-rata basis on completion of a stage in a length of not less than 20% (twenty percent) of the total length.
<b>(vii) Safety and traffic management during construction</b>	0.00%	Payment shall be made on pro rata basis every six months.

### Electrical utilities and public Health Utilities (water pipe lines and sewage lines)

Procedure for estimating the value of utilities shifting done shall be as stated in table 1.3.5.

**Table1.3.5**

STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE	PAYMENT PROCEDURE
<b>Electrical utilities and public Health Utilities (water pipe lines and sewage lines)</b>		
<b>(i) EHT Lines</b>	<b>0.00%</b>	Unit of measurement is as per completed activities. Cost per activity shall be determined on pro-rata basis as per its weightage with reference to total cost of EHT line. Payment shall be made for completed activity. (The average weightage of major activities (Only for payment purpose) in shifting work is (i) Erection of Poles - 20% (ii) Conductor stringing including laying of cable-30%, (iii) DTR erection (if involved)-15% and (iv) Charging of line including dismantling and site clearance -35% (with DTR) and 50% without DTR.
<b>(ii) EHT crossings</b>	<b>0.00%</b>	Cost of each crossing shall be determined on pro rata basis with reference to total no. of crossings. Payment shall be made for not less than 25% of the crossings subject to a minimum of 4 crossings

STAGE FOR PAYMENT	PERCENTAGE WEIGHTAGE	PAYMENT PROCEDURE
<b>(iii) HT/LT Lines</b>	<b>38.72%</b>	Unit of measurement is as per completed activities. Cost per activity shall be determined on pro-rata basis as per its weightage with reference to total cost of LT/HT line. Payment shall be made for completed activity. (The average weightage of major activities (Only for payment purpose) in shifting work is (i) Erection of Poles - 20% (ii) Conductor stringing including laying of cable-30%, (iii) DTR erection (if involved)-10% and (iv) Charging of line including dismantling and site clearance -40% (with DTR) and 50% without DTR.
<b>(iv) HT/LT Crossings</b>	<b>17.60%</b>	Cost of each crossing shall be determined on pro rata basis with reference to total no. of crossings. Payment shall be made for not less than 25% of the crossings subject to a minimum of 10 crossings
<b>(v) Transformer</b>	<b>2.35%</b>	Cost of each transformer shall be determined on pro rata basis with reference to total no. of transformers. Payment shall be made for completion of each unit shifting.
<b>(v) Water pipelines</b>	<b>39.70%</b>	Unit of measurement is as per completed activities. Cost per activity shall be determined on pro -rata basis as per its weightage with reference to total cost of pipe line. Payment shall be made for completed activity. (The average weightage of major activities (Only for payment purpose) in shifting work is laying pipe - 50%, charging of line including all miscellaneous works and dismantling and site clearance -50%)
<b>(vi) Water pipeline crossings</b>	<b>0.81%</b>	Cost of each crossing shall be determined on pro rata basis with reference to total no. of crossings. Payment shall be made for not less than 25% of the crossings subject to a minimum of 8 crossings.
<b>(vii) Water Pipe line (WRD)</b>	<b>0.82%</b>	Cost of each crossing shall be determined on pro rata basis with reference to total no. of crossings. Payment shall be made for completed activity. (The average weightage of major activities in shifting work is laying pipe - 50%, charging of line including all miscellaneous works and dismantling and site clearance -50%)

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## **2. Procedure for payment for Maintenance**

The cost for maintenance shall be as stated in Clause 14.1.1.

Payment for Maintenance shall be made in quarterly installments in accordance with the provisions of Clause 19.7.